



**United International University (UIU)**  
**Dept. of Computer Science & Engineering (CSE)**  
**COURSE OUTLINE**

Course Code: CSI 412    Course Title: Compiler Laboratory

Section: C

Summer Trimester: 2017

**Instructor**    Mahamudul Hasan

**Classes**    Tuesday 2.00 – 5.00 (CL5)

**Office hr**    Thurs 2.00, Sun 5.00, Mon 5.00, Tues 2.00 and Wed 1.00

**Counseling hr** Sun 11.30 – 5.00, Mon 2.00-5.00, Tues 11.30-2.00, Wed 11.30-12.30

**Room No.**    2203

**Contact No.**    01734325208

**Email**    mahamudul@cse.uiu.ac.bd

**Text Book**    none

**Reference**    none

**Homework**    Homework will be given throughout the session. Solutions to homework problems will be provided. My policy is to encourage unlimited help on homework. Come to my office and we will work together on homework. I'll grade the homework but will not give any weights to the homework.

**Assignment**    Home work may be assigned bi-weekly and around a week would be allocated for the workout. There will be minimum four (4) and maximum five (5) homework. Copied home work will be graded as zero. The solution would be provided after the due date.

**Quiz**    There will be total three/four quizzes (20 minutes long each) in class. The best two/three will be taken

**Exams**    Mid-terms and final exams will be closed book, closed notes. The materials for final exam will be informed in due time. There will be no grade exemptions from the final. Final examination is not comprehensive.

**Test Policy**    If you are absent from a test, and you have not spoken to me personally before hand, your grade for the test will be zero.

**Grading**    The course grade will be determined from a weighted average of the quizzes, homework assignments, mid-term exams and the final.

-Percentage of weightage of the tests/exams is as follows:

Attendance	5%
Online & Assignments	60.00%
Quiz1	15.00%

Quiz2	20.00%
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**Course Grade** The following scale will be used to convert numerical grades to letter grade:

Letter Grade	Marks	Grade Point	Letter Grade	Marks	Grade Point
A (Plain)	90-100	4.0	C+ (Plus)	70-73	2.33
A- (Minus)	86-89	3.67	C (Plain)	66-69	2.00
B+ (Plus)	82-85	3.33	C- (Minus)	62-65	1.67
B (Plain)	78-81	3.00	D+ (Plus)	58-61	1.33
B- (Minus)	74-77	2.67	D (Plain)	55-57	1.00

**Objectives:**

- (i)
- (ii)

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### Class Schedule

Week	Topics	Suggested problems**
1, 2, 3	Introduction,NFA and DFA	
4, 5, 6	Symbol table creation,Lexical analyzer introduction	
7, 8, 9	Introduction of Parser generator and Online on Lexical analysis	
10, 11, 12	Intermediate code Generation and Code generation	
13	Quiz	